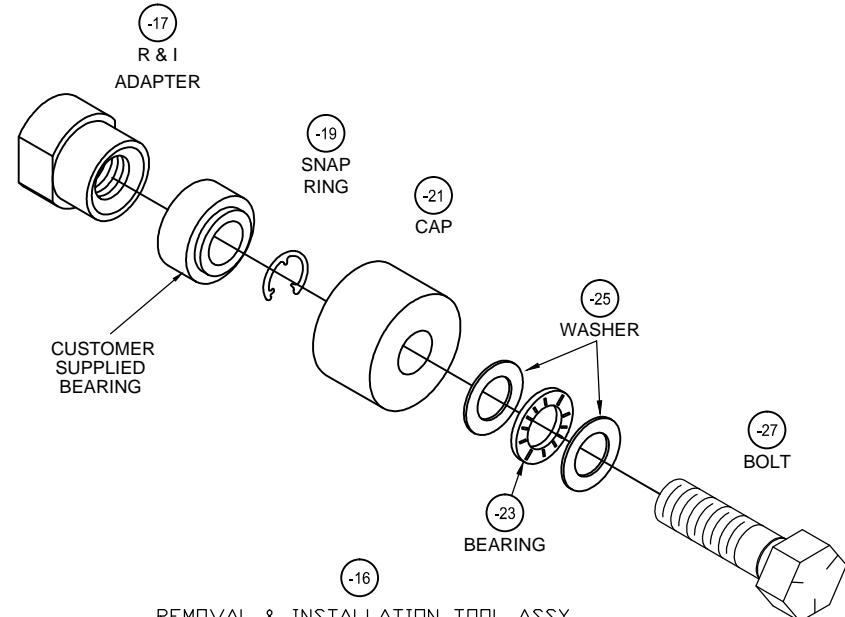
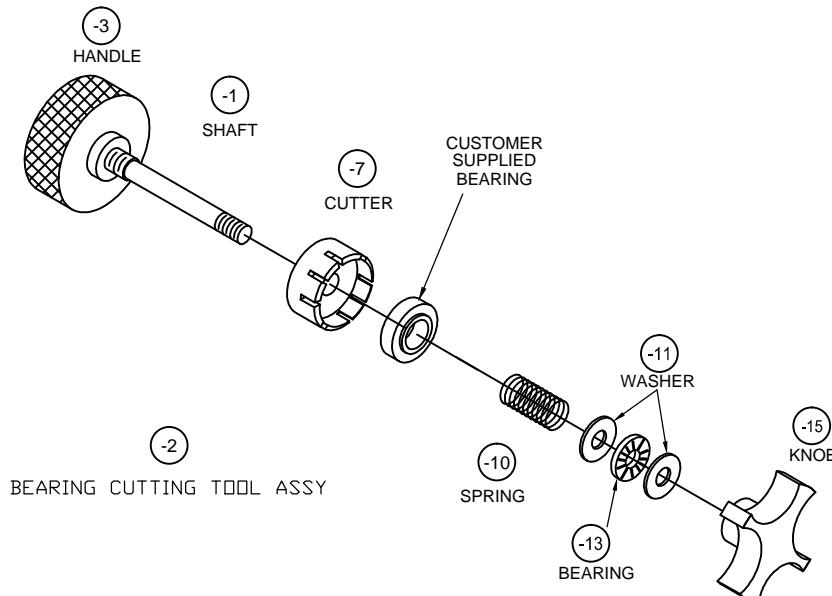


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REVISIONS		DATE	INITIAL	APPROVED
1	-7 RADIAL ANGLE INCREASED FROM 2° TO 5° TO IMPROVE OPERATION.	2/19/04		
2	CH'D -7 PREGRIND TOLERANCE FROM .953.	1/2/08	WP	G.E.
3	ADDED AN 8° HOOK TO CUTTING TEETH, WAS STRAIGHT WITH NO HOOK.	1/29/08	WP	DW
4	CH'D -27 GROOVE NOMENCLATURE FROM .032 W x .025 DP.	1/29/08	WP	GE
4A	CH'D TITLEBLOCK & REVISION BLOCK, CORRECTED VIEWS & LABELED ALL SECTION VIEWS, ADDED DETAIL A/P/N -1 TO CLARIFY TAPER.	9/29/09	RJC	RW



NOTE:

BEARING #206-010-469-001, 206-010-470-001, ASTRO AM2004DHS

REMOVAL & INSTALLATION TOOL ASSY

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
1			-1		SHAFT	STRESS PROOF	$\varnothing 3/4 \times 4$	2
		X	-2	1	BEARING CUTTER TOOL ASSY			1
1			-3		HANDLE	6061 T6	$\varnothing 2 \times 3/4$	2
1			-7		CUTTER	01	$\varnothing 1 \times 5/8$	3
1		B/O	-10		SPRING		5/16 x 2 (EUGENE FASTNER #16)	1
2		B/O	-11		WASHER		TRA-512 (APPLIED INDUSTRIAL)	1
1		B/O	-13		BEARING		NTA512 (APPLIED INDUSTRIAL)	1
1		B/O	-15		KNOB		DK-55 (REID TOOL)	1
			-16	1	REMOVAL & INSTALLATION TOOL ASSY			1
1			-17		R&I ADAPTER	STRESS PROOF	$\varnothing 1-1/4 \times 1-1/4$	4
1		B/O	-19		SNAP RING		$\varnothing 5/16$ EXTERNAL	1
1			-21		CAP	6061 T6	$\varnothing 1-1/2 \times 1$	4
1		B/O	-23		BEARING		NTA512 (APPLIED INDUSTRIAL)	1
2		B/O	-25		WASHER		TRA-512 (APPLIED INDUSTRIAL)	1
1			-27		BOLT	GRADE 5	5/16-24 UNF x 3 MODIFY	4

RB RED BARN MACHINE

BEARING CUTTER

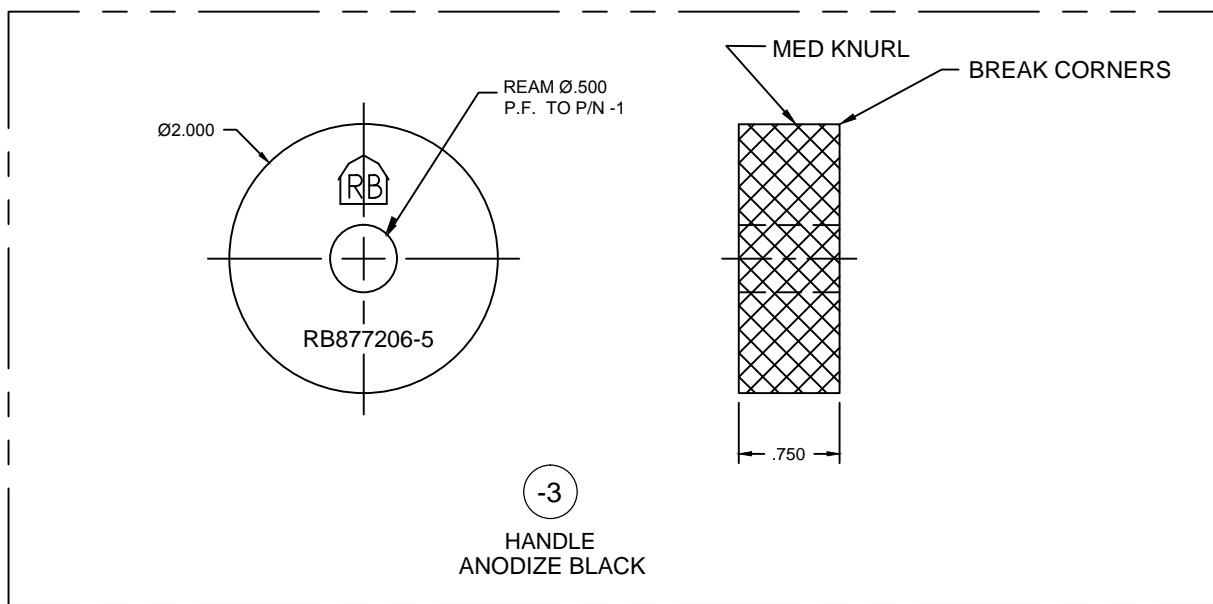
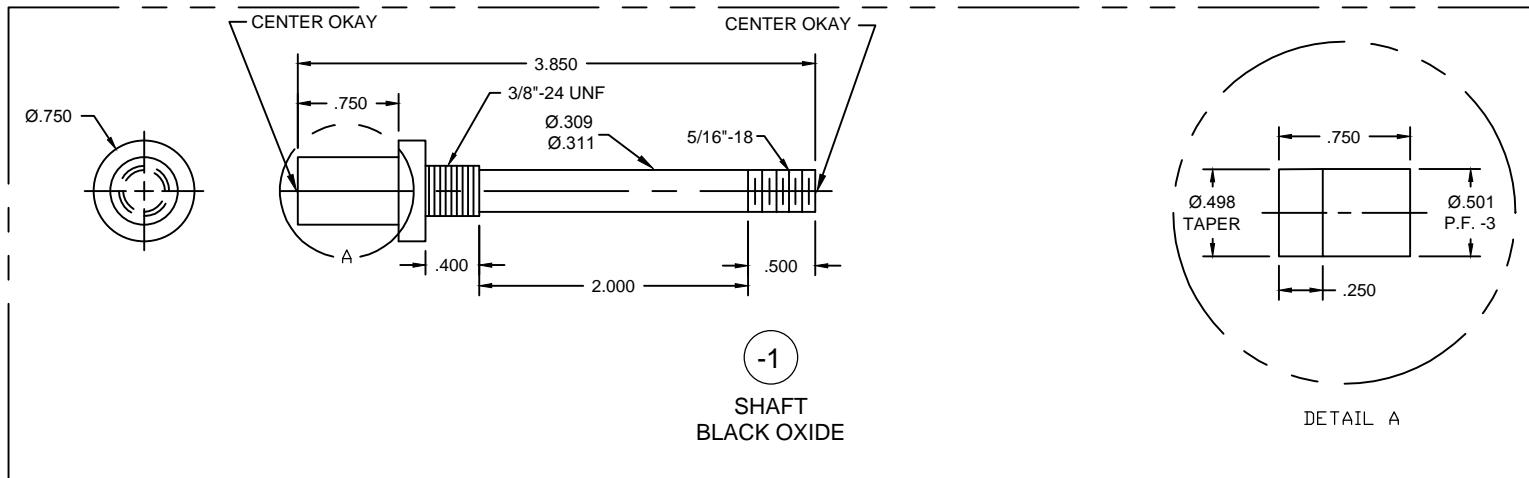
TITLE	RB877206-5	REV 4A
DWG NO.		
UNLESS OTHERWISE SPECIFIED	DRAWN BY:	CDLE
DIMENSIONS ARE IN INCHES	APPROVED	D. Weil
TOLERANCES ON:	HEAT TREAT	
DECIMALS	FINISH SPEC	
XXX $\pm .005$	FRACTIONS $\pm 1/32$	
XX $\pm .01$	ANGLES $\pm 5^\circ$	
X $\pm .1$		
UNLESS OTHERWISE SPECIFIED	USED ON MODEL	
1. BREAK ALL SHARP EDGES	BELL	
.015 x 45° PR. .015 R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		

SCALE NTS DATE 6-28-01 SHEET 1 of 4

ASSY -16 ASSY -2

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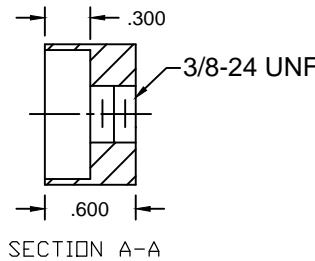
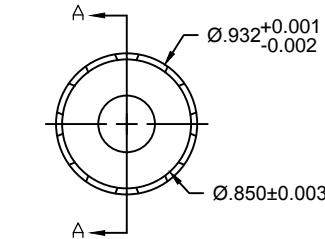
REV		DESCRIPTION		DATE	INITIAL	APPROVED
4A		CH'D TITLEBLOCK & REVISION BLOCK, CORRECTED VIEWS & LABELED ALL SECTION VIEWS, ADDED DETAIL A P/N -1 TO CLARIFY TAPER.		9/29/09	RJC	RW



RB RED BARN MACHINE		REV 4A
TITLE		
DWG NO.		RB877206-5-1 & -3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: COLE	
TOLERANCES ON: DECIMALS XXX \pm .005 XX \pm .01 X \pm .1	APPROVED D. Weil	
FRACTIONS \pm 1/32 ANGLES \pm 5°	HEAT TREAT	
FINISH SPEC	USED ON MODEL BELL	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
SCALE NTS	DATE 6-28-01	SHEET 2 of 4

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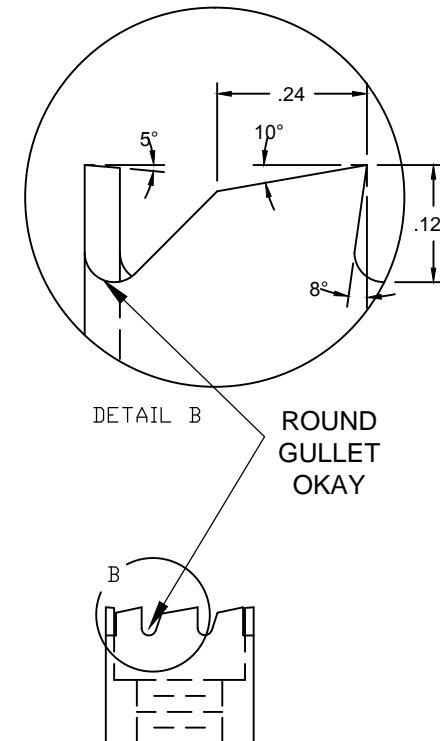
REV		DESCRIPTION	DATE	INITIAL	APPROVED
1		-7 RADIAL ANGLE INCREASED FROM 2° TO 5° TO IMPROVE OPERATION.	2/19/04		
2		CH'D -7 PREGRIND TOLERANCE FROM .953.	1/2/08	WP	G.E.
3		ADDED AN 8° HOOK TO CUTTING TEETH, WAS STRAIGHT WITH NO HOOK.	1/29/08	WP	DW



-7

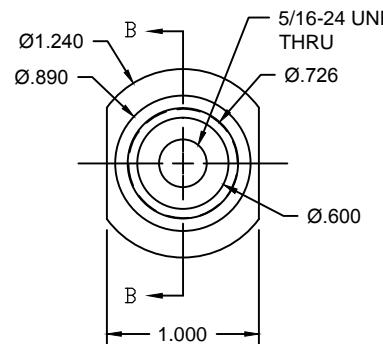
CUTTER
8 TEETH
HEAT TREAT: 50-60 Rc
NO COATING

MACHINE TO .952
GRIND TO SIZE
AFTER HEAT TREAT



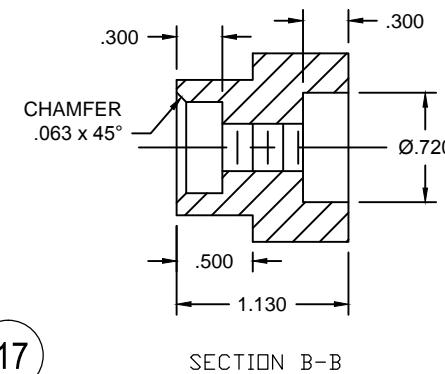
RED BARN MACHINE	
TITLE	
BEARING CUTTER	
DWG NO. RB877206-5-7	
REV 4A	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX $\pm .005$ FRACTIONS $\pm 1/32$ XX $\pm .01$ ANGLES $\pm 5^\circ$ X $\pm .1$	
DRAWN BY: COLE APPROVED: <i>D. Weil</i>	
HEAT TREAT FINISH SPEC	
USED ON MODEL BELL	
SCALE	NTS
DATE	6-28-01
SHEET 3 of 4	

REV		DESCRIPTION		DATE	INITIAL	APPROVED
4		CH'D -27 GROOVE NOMENCLATURE FROM .032 W x .025 DP.		2/5/08	WP	CE

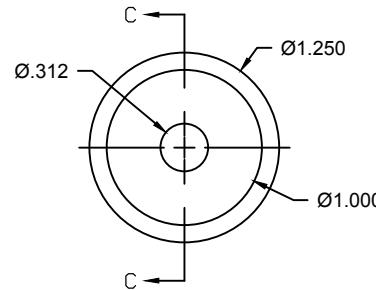


-17

ADAPTER R&I
BLACK OXIDE

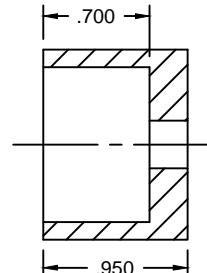


SECTION B-B

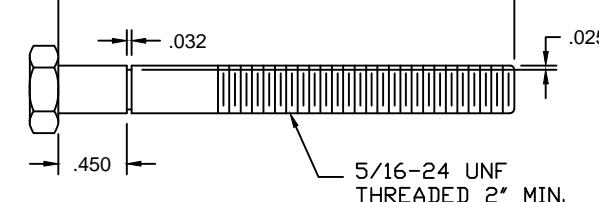


-21

CAP
ANODIZE BLACK



SECTION C-C



-27

BOLT
BLACK OXIDE

RED BARN MACHINE	
TITLE	
DWG NO. RB877206-5-17 thru -27	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: COLE
TOLERANCES ON: DECIMALS .XXX ± .005 XX ± .01 X ± .1	APPROVED: <i>D. Weil</i>
FRACTIONS ± 1/32 ANGLES ± 5°	HEAT TREAT
FINISH SPEC	USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° PR. .015 R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 6-28-01
SHEET 4 of 4	